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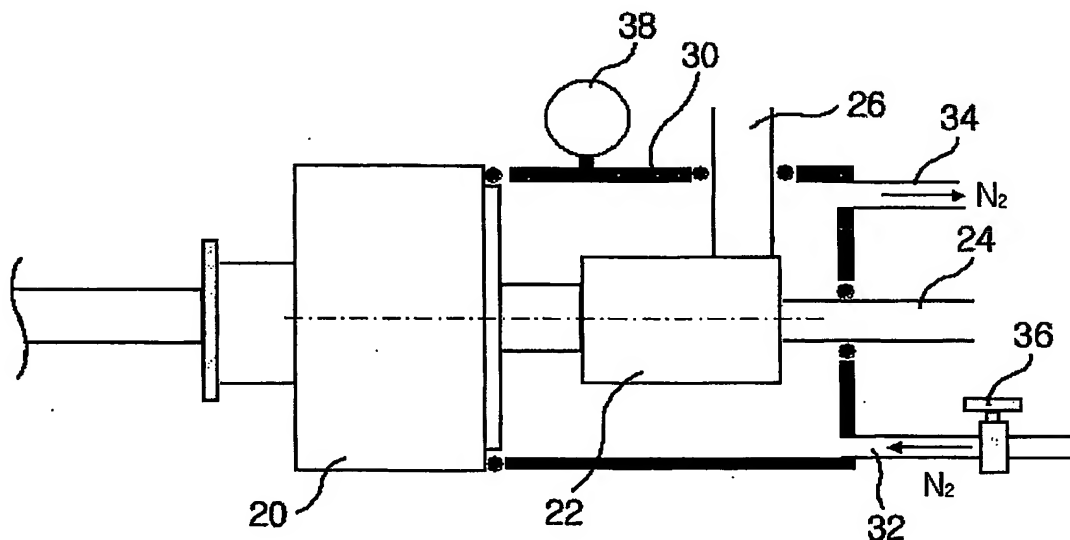
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(54) Title: MODIFIED CHEMICAL VAPOR DEPOSITION DEVICE FOR MANUFACTURING OPTICAL FIBER PREFORM



(57) Abstract: A modified chemical vapor deposition (MCVD) device for making an optical fiber preform is disclosed. The MCVD device includes a quartz tube and its junctions, a bubbler system for generating reaction gas to be supplied to the quartz tube, and a rotary connector for interfacing the bubbler system to a main shaft of the lathe supporting the quartz tube. The device isolates the quartz tube and its junctions, the bubbler system and the rotary connector from external atmosphere to keep the isolated area to be under the inert gas condition, thereby preventing moisture or hydrogen components from penetrating into the quartz tube from the external atmosphere.